

S116360



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D130-1048-012
Job Sheet 184197

Accounting Job RD17-1048-01



Part No: D130-1048-012

Job Qty: 1 ea

Part Name: EC130 Skidtube Installation, RH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/3/18

Job Tracking No:

Due Date: 10/3/18

Created By: Jesse White

Type: R+D

Description:

Note: TBD DWG D130-1048-012 PRELIM. DP verify DD 17.07.09

Ship Via:

DWG Rev. A **DAS**
35
9-89

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	10/3/18	10/3/18	0.00	0.00	Start Up Handfinish		mgf. 18.10.05
110	HandFinish	1 pcs	10/3/18	10/3/18	0.00	0.50	HandFinish4		18-10-05
120	QC	1 pcs	10/3/18	10/3/18	0.00	0.00	QC5		NA PD 13.10.05
130	Packaging	1 pcs	10/3/18	10/3/18	0.00	0.00	Packaging1-6		
135	QC	1 pcs	10/3/18	10/3/18	0.00	0.00	QC4		
140	Packaging	1 pcs	10/3/18	10/3/18	0.00	0.00	Packaging3-2		
155	DC	1 pcs	10/3/18	10/3/18	0.00	0.00	DC		
165	QC21-SA	1 Ea	10/3/18	10/3/18	0.00	0.00	QC21		mgf. 18.10.05

Part Op 110 - ASSEMBLE AS PER DWG

Descriptions: 130 - BAG AND ID HARDWARE.

140 - identify and pack for shipping as per PPP D130-1048-012 Location: _____ PPP Rev: _____

155 - Photocopy blue file and create labels as per PPP D130-1048-012 chg 001

005771

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
22201BC120090L	Bolt	1 Ea (1 ea)	90-Start up Operation	5107778
23111AG120LE	Washer	1 Ea (1 ea)	90-Start up Operation	
AN3C5A	Bolt	8 Ea (8 ea)	90-Start up Operation	5082907
AN8C56A	Bolt	3 Ea (3 ea)	90-Start up Operation	5109122
ASN52320BH120N	Nut	1 Ea (1 ea)	90-Start up Operation	Fm135585
D130-1048-042	EC130 Skidtube Assembly, RH	1 Ea (1 ea)	90-Start up Operation	5113885
D5465-2	FWD RH OEM Replacement Wearplate	1 Ea (1 ea)	90-Start up Operation	
D5478-1	AFT OEM Replacement Wearplate	1 Ea (1 ea)	90-Start up Operation	5004477
D5569-1	Skidtube Blade	1 Ea (1 ea)	90-Start up Operation	N/A
D5570-1	Blade Plug	1 Ea (1 ea)	90-Start up Operation	N/A
D5594-1	OH Bushing	6 Ea (6 ea)	90-Start up Operation	
D5594-3	GH Washer	6 Ea (6 ea)	90-Start up Operation	
NAS1149C0332R	Washer	8 Ea (8 ea)	90-Start up Operation	5104354
NAS1149C0832R	Washer	3 Ea (3 ea)	90-Start up Operation	5076017
NAS1291C8	Nut, Self-Locking	3 Ea (3 ea)	90-Start up Operation	5112909
23111AG100LE	Washer	1 Ea (1 ea)	130-Packaging	5101932
ASNA0045BC100L	Nut, Castellated	1 Ea (1 ea)	130-Packaging	5109874
DHS411-101.3106	Metric Hex Head Aerospace Bolt	1 Ea (1 ea)	130-Packaging	
EN2367-18028	Cotter Pin	1 Ea (1 ea)	130-Packaging	F113815
MS21141S-06-05	Rivet	20 Ea (20 ea)	130-Packaging	5108056

Job Allocations

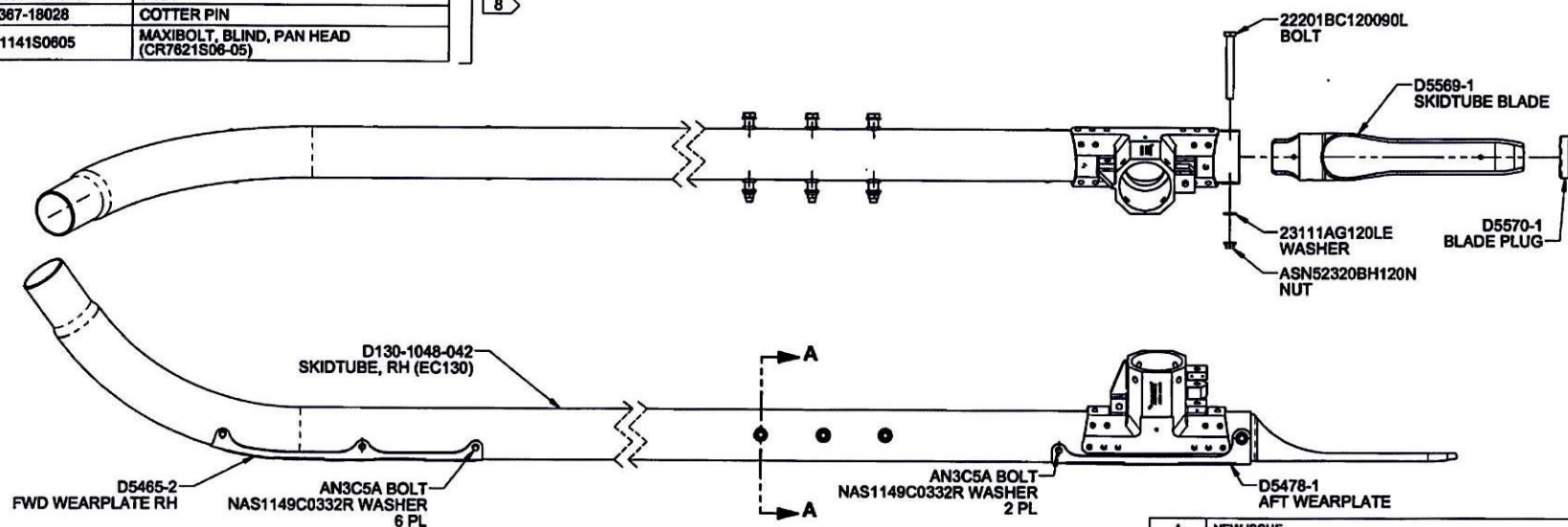
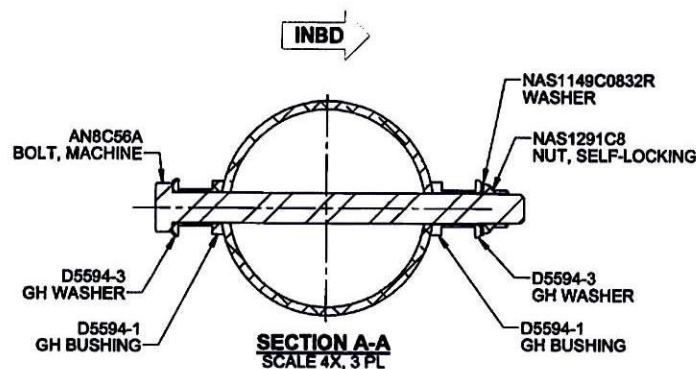
Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	22201BC120090L	1	10	0
	23111AG120LE	1	0	0
	AN3C5A	8	1,850	0
	AN8C56A	3	30	0
	ASN52320BH120N	1	19	0
	D130-1048-042	1	2	0
	D5465-2	1	3	0
	D5478-1	1	6	0
	D5569-1	1	9	0
	D5570-1	1	8	0
	D5594-1	6	0	0
	D5594-3	6	0	0
	NAS1149C0332R	8	4,327	0
	NAS1149C0832R	3	400	0
	NAS1291C8	3	50	0
	23111AG100LE	1	10	0
	ASNA0045BC100L	1	12	0
	DHS411-101.3106	1	10	0
	EN2367-18028	1	0	0
130-Packaging	MS21141S-06-05	20	100	0

Part Specifications

Specifications could not be found.

Plex 10/3/18 1:38 PM dart.white.jesse

QTY -012	P/N	DESCRIPTION
X	D130-1048-012	SKIDTUBE INSTALLATION, RH (EC130)
1	D130-1048-042	SKIDTUBE ASSY, RH (EC130)
1	D5465-2	FWD WEARPLATE RH
1	D5478-1	AFT WEARPLATE
1	D5569-1	SKIDTUBE BLADE
1	D5570-1	BLADE PLUG
6	D5594-1	GH BUSHING
6	D5594-3	GH WASHER
1	22201BC120090L	BOLT
1	23111AG120LE	WASHER
8	AN3C5A	BOLT
3	AN8C56A	BOLT, MACHINE
1	ASN52320BH120N	NUT
8	NAS1149C0332R	WASHER
3	NAS1149C0832R	WASHER
3	NAS1291C8	NUT, SELF-LOCKING
1	23111AG100LE	WASHER
1	ASNA0045BC100L	NUT, CATELLATED
1	DHS411-101.3108	BOLT
1	EN2367-18028	COTTER PIN
20	MS21141S0605	MAXIBOLT, BLIND, PAN HEAD (CR7821S08-05)



NOTES:
 1) MATERIAL: N/A
 2) FINISH: NONE
 3) TOLERANCES: N/A
 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 5) BREAK SHARP EDGES: N/A
 6) IDENTIFICATION: NONE
 7) WEIGHT: 25.41 lbs
 8) HARDWARE NOT SHOWN. TO BE SHIPPED LOOSE.

D130-1048-012 SKIDTUBE INSTALLATION, RH (EC130)

RELEASED

2018 OCT 02
ECN 18-017

APPROVED

REV.	DESCRIPTION	BY	DATE
A	NEW ISSUE	ZF	18.05.08
DESIGN	NO		
DRAWN	ZF		
CHECKED	MW		
MFG. APPR.	JFS		
APPROVED	NO		
DE APPR.	CP		
DATE	18.05.08		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.
D130-1048-012

TITLE
SKIDTUBE INSTL, RH (EC130)

REV. A

SHEET 1 OF 1

SCALE
NTS

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Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: <u>184197</u> Part No. <u>D130-1048-012</u>		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒		DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☒ Water Jet ☐ Supplier ☐ Quality ☐				
Date : <u>12/14/15</u>		Sequence #:		QTY Affected :		MRB (QSI042)		
Description Work Order Deviation				Disposition				
D 5569-1 Skidtube blade and D5570-1 Blade plug not installed on D130-1048-011 or -012 skidtube assembly. GH Lugs (D5594-1/-3, NAS1291C8 Nut NAS1149C0832R washer, AN8C56A bdt) will not be installed on D130-1048-011/-012 skidtube assembly.				Acceptable for testing, use as is				DAS 12 9-89 12/14/15
								Completed By DAS 12 9-89 12/14/15
								Lead hand / Supervisor DAS 9 9-89 13-10-05
								QC / QA Coordinator DAS 9 9-89 13-10-05
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread						
		Other/Details:						

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: <u>184197</u> Part No. <u>D130-1048-012</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☒ Water Jet ☐ Supplier Quality ☐		
Date : _____	Sequence # : _____	QTY Affected : _____	MRB (QSI042) DAS 12 9-89 <u>10/10/5</u>	
Description Work Order Deviation		Disposition		
<u>D 5465-1 or D5465-2 Fwd wearplate not installed on D130-1048-011 or -012 Skid tube</u>		<u>Acceptable for testing use as is.</u>		Completed By DAS 12 9-89 <u>10/10/5</u> Lead hand / Supervisor DAS 9 9-89 <u>13.10.05</u> QC / QA Coordinator DAS 9 9-89 <u>13.10.05</u>
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread		
		Other/Details: _____		

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: <u>184197</u> Part No. <u>D135-1048-02</u> NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☒ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval DAS 12 9-89 18/10/05		
Description Work Order Deviation <u>no inventory 23111 AG120LE washer</u>				Disposition <u>use NAS 1149 D08635 washer instead</u>				Completed By DAS 12 9-89 18/10/05 Lead hand / Supervisor Approval Verification DAS 9 9-89 18.10.05 QC / QA Coordinator Approval DAS 9 9-89 18.10.05	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					
		OTHER :							

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: <u>134192</u> Part No. <u>D130-1048-012</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☒	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐		
Date : _____	Sequence #: _____	QTY Affected : _____	MRB (QSI042) DAS 12 12/10/5 9-89	
Description Work Order Deviation EN2367-18028 roller pin not picked as part of D130-1048-011/-012		Disposition Acceptable for testing, use as is		Completed By DAS 12 12/10/5 9-89 Lead hand / Supervisor DAS 9 12-10-05 9-89 QC / QA Coordinator DAS 9 12-10-05 9-89
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐	FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:				